

CLAIMS

1. An EGR cooler with tubes and a shell surrounding said tubes, coolant water being fed into and discharged from the shell, exhaust gas being passed through said tubes for heat exchange of said exhaust gas with said coolant water, the EGR cooler comprising an annular coolant-water supply chamber fitted over said shell near an axial end of the shell, a coolant-water inlet pipe connected to a periphery of the supply chamber, communicating holes formed at a plurality of peripheral positions on a portion of the shell surrounded by said supply chamber such that said holes have gradually reduced diameters as said holes are peripherally apart from the connection between the chamber and the inlet pipe so as to substantially evenly introduce the coolant water into the shell via the holes.
2. The EGR cooler according to claim 1, wherein the portion of the shell surrounded by the supply chamber has a required extent of peripheral zone facing the inlet pipe and having no communicating holes.